**Oneway**

**ANOVA**

| | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| Age | Between Groups | 6490.087 | 1 | 6490.087 | 79.161 | .000 |
| | Within Groups | 75099.304 | 916 | 81.986 | | |
| | Total | 81589.391 | 917 | | | |
| RestingBP | Between Groups | 3638.419 | 1 | 3638.419 | 10.727 | .001 |
| | Within Groups | 310685.250 | 916 | 339.176 | | |
| | Total | 314323.669 | 917 | | | |
| Cholesterol | Between Groups | 594322.989 | 1 | 594322.989 | 52.460 | .000 |
| | Within Groups | 10377482.131 | 916 | 11329.129 | | |
| | Total | 10971805.120 | 917 | | | |
| Oldpeak | Between Groups | 170.218 | 1 | 170.218 | 178.615 | .000 |
| | Within Groups | 872.936 | 916 | .953 | | |
| | Total | 1043.153 | 917 | | | |
| MaxHR | Between Groups | 95308.300 | 1 | 95308.300 | 174.914 | .000 |
| | Within Groups | 499117.339 | 916 | 544.888 | | |
| | Total | 594425.639 | 917 | | | |

**ANOVA Effect Sizes[a]**

| | | | 95% Confidence Interval | |
|---|---|---|---|---|
| | | Point Estimate | Lower | Upper |
| Age | Eta-squared | .080 | .049 | .115 |
| | Epsilon-squared | .079 | .048 | .114 |
| | Omega-squared Fixed-effect | .078 | .048 | .113 |
| | Omega-squared Random-effect | .078 | .048 | .113 |
| RestingBP | Eta-squared | .012 | .002 | .029 |
| | Epsilon-squared | .010 | .001 | .028 |
| | Omega-squared Fixed-effect | .010 | .001 | .028 |
| | Omega-squared Random-effect | .010 | .001 | .028 |
| Cholesterol | Eta-squared | .054 | .029 | .085 |
| | Epsilon-squared | .053 | .028 | .084 |
| | Omega-squared Fixed-effect | .053 | .028 | .084 |
| | Omega-squared Random-effect | .053 | .028 | .084 |
| Oldpeak | Eta-squared | .163 | .122 | .206 |
| | Epsilon-squared | .162 | .121 | .205 |
| | Omega-squared Fixed-effect | .162 | .121 | .205 |
| | Omega-squared Random-effect | .162 | .121 | .205 |
| MaxHR | Eta-squared | .160 | .120 | .203 |
| | Epsilon-squared | .159 | .119 | .202 |
| | Omega-squared Fixed-effect | .159 | .119 | .202 |
| | Omega-squared Random-effect | .159 | .119 | .202 |

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

**Oneway**

## Warnings

| |
|---|
| Post hoc tests are not performed for Age because there are fewer than three groups. |
| Post hoc tests are not performed for RestingBP because there are fewer than three groups. |
| Post hoc tests are not performed for Cholesterol because there are fewer than three groups. |
| Post hoc tests are not performed for Oldpeak because there are fewer than three groups. |
| Post hoc tests are not performed for MaxHR because there are fewer than three groups. |

## ANOVA

| | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| Age | Between Groups | 6490.087 | 1 | 6490.087 | 79.161 | .000 |
| | Within Groups | 75099.304 | 916 | 81.986 | | |
| | Total | 81589.391 | 917 | | | |
| RestingBP | Between Groups | 3638.419 | 1 | 3638.419 | 10.727 | .001 |
| | Within Groups | 310685.250 | 916 | 339.176 | | |
| | Total | 314323.669 | 917 | | | |
| Cholesterol | Between Groups | 594322.989 | 1 | 594322.989 | 52.460 | .000 |
| | Within Groups | 10377482.131 | 916 | 11329.129 | | |
| | Total | 10971805.120 | 917 | | | |
| Oldpeak | Between Groups | 170.218 | 1 | 170.218 | 178.615 | .000 |
| | Within Groups | 872.936 | 916 | .953 | | |
| | Total | 1043.153 | 917 | | | |
| MaxHR | Between Groups | 95308.300 | 1 | 95308.300 | 174.914 | .000 |
| | Within Groups | 499117.339 | 916 | 544.888 | | |
| | Total | 594425.639 | 917 | | | |

**ANOVA Effect Sizes**[a]

| | | Point Estimate | 95% Confidence Interval Lower | 95% Confidence Interval Upper |
|---|---|---|---|---|
| Age | Eta-squared | .080 | .049 | .115 |
| | Epsilon-squared | .079 | .048 | .114 |
| | Omega-squared Fixed-effect | .078 | .048 | .113 |
| | Omega-squared Random-effect | .078 | .048 | .113 |
| RestingBP | Eta-squared | .012 | .002 | .029 |
| | Epsilon-squared | .010 | .001 | .028 |
| | Omega-squared Fixed-effect | .010 | .001 | .028 |
| | Omega-squared Random-effect | .010 | .001 | .028 |
| Cholesterol | Eta-squared | .054 | .029 | .085 |
| | Epsilon-squared | .053 | .028 | .084 |
| | Omega-squared Fixed-effect | .053 | .028 | .084 |
| | Omega-squared Random-effect | .053 | .028 | .084 |
| Oldpeak | Eta-squared | .163 | .122 | .206 |
| | Epsilon-squared | .162 | .121 | .205 |
| | Omega-squared Fixed-effect | .162 | .121 | .205 |
| | Omega-squared Random-effect | .162 | .121 | .205 |
| MaxHR | Eta-squared | .160 | .120 | .203 |
| | Epsilon-squared | .159 | .119 | .202 |
| | Omega-squared Fixed-effect | .159 | .119 | .202 |
| | Omega-squared Random-effect | .159 | .119 | .202 |

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

## Crosstabs

**Case Processing Summary**

| | Cases Valid N | Valid Percent | Missing N | Missing Percent | Total N | Total Percent |
|---|---|---|---|---|---|---|
| HeartDisease * Sex | 918 | 100.0% | 0 | 0.0% | 918 | 100.0% |

**HeartDisease * Sex Crosstabulation**

Count

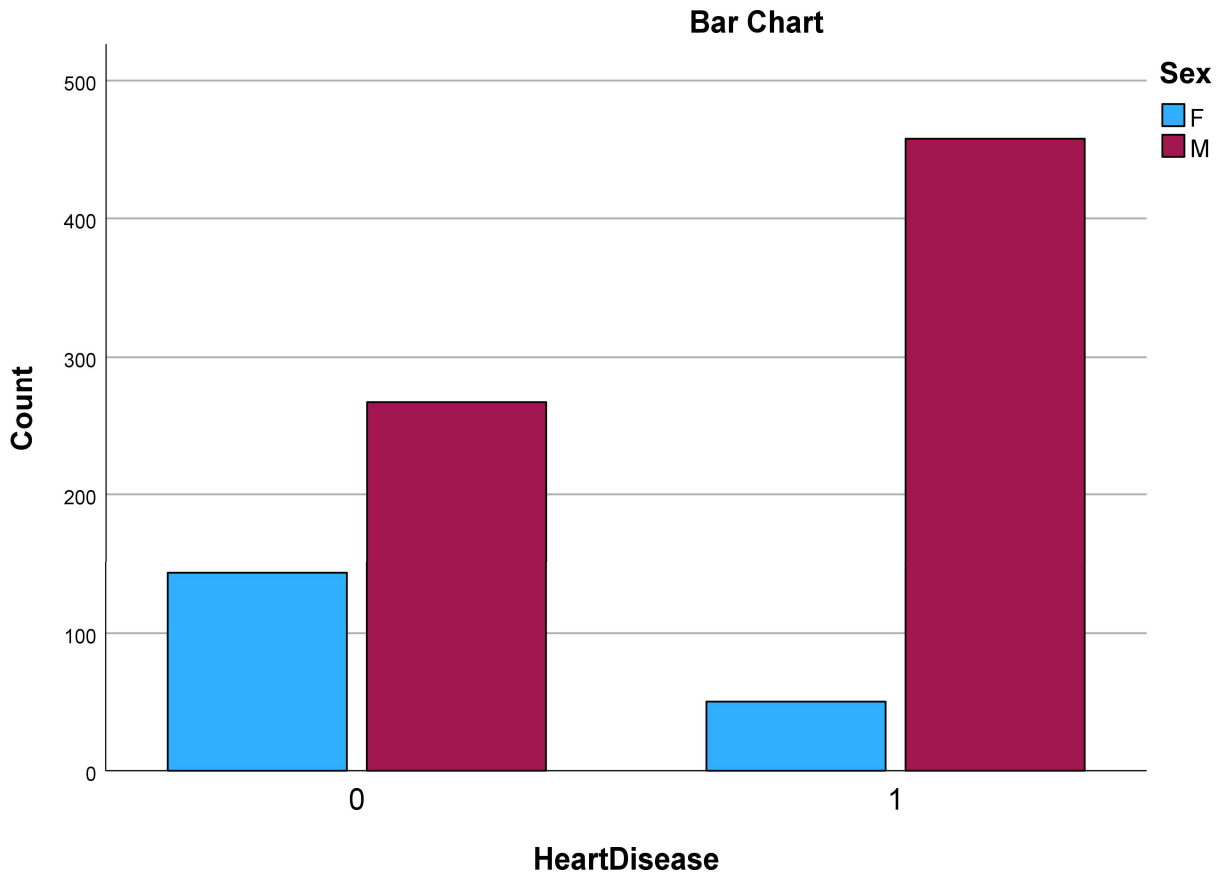
| | | Sex F | Sex M | Total |
|---|---|---|---|---|
| HeartDisease | 0 | 143 | 267 | 410 |
| | 1 | 50 | 458 | 508 |
| Total | | 193 | 725 | 918 |

**Chi-Square Tests**

| | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
|---|---|---|---|---|---|
| Pearson Chi-Square | 85.646[a] | 1 | .000 | | |
| Continuity Correction[b] | 84.145 | 1 | .000 | | |
| Likelihood Ratio | 87.168 | 1 | .000 | | |
| Fisher's Exact Test | | | | .000 | .000 |
| N of Valid Cases | 918 | | | | |

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 86.20.

b. Computed only for a 2x2 table




**Factor Analysis**

**Correlation Matrix[a]**

| | | Age | RestingBP | Cholesterol | FastingBS | MaxHR | Oldpeak |
|---|---|---|---|---|---|---|---|
| Correlation | Age | 1.000 | .237 | -.131 | .199 | -.397 | .260 |
| | RestingBP | .237 | 1.000 | .108 | .072 | -.119 | .148 |
| | Cholesterol | -.131 | .108 | 1.000 | -.255 | .236 | .073 |
| | FastingBS | .199 | .072 | -.255 | 1.000 | -.104 | .029 |
| | MaxHR | -.397 | -.119 | .236 | -.104 | 1.000 | -.144 |
| | Oldpeak | .260 | .148 | .073 | .029 | -.144 | 1.000 |

a. Only cases for which Sex = M are used in the analysis phase.

**Communalities**[a]

| | Initial | Extraction |
|---|---|---|
| Age | 1.000 | .629 |
| RestingBP | 1.000 | .438 |
| Cholesterol | 1.000 | .688 |
| FastingBS | 1.000 | .387 |
| MaxHR | 1.000 | .494 |
| Oldpeak | 1.000 | .447 |

Extraction Method: Principal Component Analysis.

a. Only cases for which Sex = M are used in the analysis phase.

**Total Variance Explained**[a]

| | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | |
|---|---|---|---|---|---|---|
| Component | Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % |
| 1 | 1.802 | 30.034 | 30.034 | 1.802 | 30.034 | 30.034 |
| 2 | 1.279 | 21.322 | 51.355 | 1.279 | 21.322 | 51.355 |
| 3 | .910 | 15.173 | 66.529 | | | |
| 4 | .828 | 13.807 | 80.336 | | | |
| 5 | .633 | 10.553 | 90.889 | | | |
| 6 | .547 | 9.111 | 100.000 | | | |

Extraction Method: Principal Component Analysis.

a. Only cases for which Sex = M are used in the analysis phase.

**Component Matrix**[a,b]

| | Component | |
|---|---|---|
| | 1 | 2 |
| Age | .781 | .139 |
| RestingBP | .404 | .524 |
| Cholesterol | -.383 | .735 |
| FastingBS | .457 | -.422 |
| MaxHR | -.696 | .095 |
| Oldpeak | .435 | .508 |

Extraction Method: Principal Component Analysis.

a. 2 components extracted.

b. Only cases for which Sex = M are used in the analysis phase.